The Series 619 Pressure Indicating Transmitter

The Series 7116 Spirahelic® Pressure Indicating Transmitter provides both an ASME Grade 2A accuracy analog pressure gage for precise local indication and a 2-wire, 4-20 mA output signal for remote monitoring and control. Unique triple wound Bourdon tube movement drives pointer directly with no gears, cams or linkages which can wear and fail early. Stainless steel pressure connection block allows a choice of horizontal or vertical piping. Electrical connections, zero and span controls are located on rear.

### Pressure Indicating Transmitter Specifications

#### GAGE SPECIFICATIONS
- **Service:** Compatible gases & liquids.
- **Wetted Materials:** Inconel® X-750 alloy Bourdon tube, type 316L SS connection block.
- **Housing:** Black polycarbonate case with clear acrylic cover.
- **Display:** 1.0˝ (25.4 mm) liquid crystal.
- **Output Signal:** 4-20 mA DC.
- **Zero & Span Adjustments:** External potentiometers on back.
- **Electrical Connections:** Screw-type terminal block.
- **Mounting Orientation:** Vertical.
- **Agency Approvals:** CE.

#### TRANSMITTER SPECIFICATIONS
- **Accuracy:** ±0.5% F.S.
- **Stability:** ±1% F.S./yr.
- **Temperature Limits:** 20 to 120°F (-6.67 to 48.9°C).
- **Thermal Effect:** ±0.025% F.S./°F (0.045% F.S./°C).
- **Power Requirements:** 10-35 V DC.
- **Zero & Span Adjustments:** Accessible potentiometers on back.
- **Loop Resistance:** DC, 0-1250 ohms.
- **Current Consumption:** DC, 38 mA max.
- **Electrical Connections:** Screw-type terminal block.
- **Process Connection:** Dual 1/4˝ female NPT, bottom connection.
- **Enclosure Rating:** Designed to meet NEMA 4.
- **Mounting Orientation:** Vertical.
- **Weight:** 1 lb, 8 oz (680 g).

### Model Range

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psig</th>
<th>Maximum Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>619-1</td>
<td>0-15</td>
<td>30 psig</td>
</tr>
<tr>
<td>619-2</td>
<td>0-30</td>
<td>60 psig</td>
</tr>
<tr>
<td>619-3</td>
<td>0-50</td>
<td>100 psig</td>
</tr>
<tr>
<td>619-4</td>
<td>0-100</td>
<td>200 psig</td>
</tr>
<tr>
<td>619-5</td>
<td>0-500</td>
<td>1000 psig</td>
</tr>
</tbody>
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